



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Geological Field Skills		
Module Code	UBGMN8-15-1	Level	Level 4
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Environmental Mgmt		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Educational Aims:</b> See Learning Outcomes</p> <p><b>Outline Syllabus:</b> Field equipment and health and safety, risk assessment.</p> <p>Site selection using maps and literature.</p> <p>Scale of observation and measurement, dip, strike, orientation.</p> <p>Recording observations, photography, use of mobile apps.</p> <p>Palaeontology in the field, recording sedimentary features, graphic logs.</p> <p>Recording features of igneous and metamorphic rocks.</p> <p>Recording information on structural features.</p> <p>Use of instruments, recording numerical data.</p> <p>Sampling strategies.</p>

## STUDENT AND ACADEMIC SERVICES

Creating a basic geological map.

Interpreting field observations and reporting.

**Teaching and Learning Methods:** Students will receive, on average, 3 hours' contact time per week. This is essentially a field-based module and the residential field trip will be introduced by laboratory-based workshops and practical sessions. One-to-one support will be provided during the practical and field sessions and via email.

Scheduled learning on this module includes workshops, demonstrations, practical classes and field excursions. Independent learning includes hours engaged with essential reading, completion of practical work, assignment preparation and completion. These sessions constitute an average time.

Contact time (field and laboratory sessions): 50 hours

Assimilation, development of knowledge and independent reading: 55 hours

Coursework preparation: 45 hours

Total study time: 150 hours

### Part 3: Assessment

Summative assessment:

Component A – Fieldwork report. Learning outcomes 1, 3-6:

Presentation of a portfolio of work drawn from small group exercises completed during the residential field excursion.

This will investigate students' field observation skills, and skills in recording and interpreting sediments, rocks, structures and landforms in the field.

It is group work and will help students to organise themselves and their work as team members in carrying out field tasks and writing up work for the portfolio.

Component B:

Element 1: Portfolio of practical work (equivalent to 2000 words). Learning outcomes 3-7.

This comprises individual exercises carried out before and during the field excursion.

It will assess students' ability to access key resources, carry out accurate measurements, draw to scale and make interpretations using academic literature.

Element 2: Library exercise. Learning outcomes 2, 7.

This exercise is organised by the library to familiarise the students with resources available and how to access them.

It is assessed in relation to accuracy and completeness.

Formative work:

Formative feedback will be available at all stages during practical sessions and the residential field trip.

First Sit Components	Final Assessment	Element weighting	Description
Set Exercise - Component B		6 %	Library exercise
Report - Component A	✓	75 %	Fieldwork report
Portfolio - Component B		19 %	Portfolio of practical work (equivalent to 2000 words)

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Set Exercise - Component B		6 %	Library exercise
Report - Component A	✓	75 %	Fieldwork report
Portfolio - Component B		19 %	Portfolio of practical work (equivalent to 2000 words)

### Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	<b>Module Learning Outcomes</b>	<b>Reference</b>
	Demonstrate correct and safe use of appropriate field equipment	MO1
	Carry out an initial study of geological maps and relevant literature in order to develop a prior understanding of a field site	MO2
	Record observations and measurements of rock outcrops taken in the field for later interpretation	MO3
	Record information about sedimentary rocks in the field as a graphic log	MO4
	Describe, identify and interpret common igneous, metamorphic and sedimentary rock types in outcrop	MO5
	Present the outcomes of field study in oral, written and graphic (diagrams and maps) forms	MO6
	Demonstrate independent engagement with academic literature	MO7
Contact Hours	<b>Independent Study Hours:</b>	
	Independent study/self-guided study	100
	<b>Total Independent Study Hours:</b>	100
	<b>Scheduled Learning and Teaching Hours:</b>	
	Face-to-face learning	50
	<b>Total Scheduled Learning and Teaching Hours:</b>	50
	<b>Hours to be allocated</b>	150
	<b>Allocated Hours</b>	150
	Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p><a href="https://uwe.rl.talis.com/modules/ubgmn8-15-1.html">https://uwe.rl.talis.com/modules/ubgmn8-15-1.html</a></p>

**Part 5: Contributes Towards**

This module contributes towards the following programmes of study:

Geology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Geology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2019-20